

	Note	Priority	AAR	AASHTO	APTA	AREMA	ASTM	DOT TWG	FHWA	FRA	IEEE	ITE	ITS America	NEMA	NTCIP	SAE
Interface between Wayside Equipment and Advanced Traffic Controller	1			*								*		*	L?	
NTCIP Center-to-Center Protocol Linking Rail Operations Center and Traffic Management Center			S?		S?	S?					L?					
NTCIP Center-to-Field Equipment Protocol Linking Traffic Management Center and Advanced Traffic Controller			S	*		S					S	*		*	L	
Expand DSRC Message Set to Include mobile/portable HRI warnings				*								*		*	L	
Standards for In-Vehicle Warnings, including rules for issuing, messages, icons, ear-cons, coordination with DMS				S								S				L
Expand Traffic Management Data Dictionary to incorporate HRI elements and messages			S	L		S						L				
Expand ATIS Data Dictionary and Message Set to incorporate HRI elements and messages			S	S		S										L
NTCIP Center-to-Field Equipment Protocol Linking Advanced Traffic Controller and DSRC Base Station for IV warnings				*								*		*	L	S
Revise MUTCD to accommodate High-Speed Rail HRIs, High-Profile HRIs and general HRIs									L							
Revise MUTCD to Include Physical Design of Dynamic Message Signs for the HRI									L	L						
Revise MUTCD to include Message Content Standards for Dynamic Message Signs for the HRI	2								L	L						
Revise AASHTO Green Book to include design specifications for High-Profile HRIs	3		S	L		S			L	L						
Standards for Advanced Traffic Controller (Intelligent Controller)				*								*		*	L	
Incorporate Minimum Equipment Standards for Gates and Barriers into MUTCD	4					S			L	L						
Vehicle Undercarriages to Accommodate High-Profile HRIs	3															L
Glossary of HRI Terms	5								?			?	?			

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Recommended Practices for Closing HRIs	3,6		S				S									
Low-cost HRI Warning Devices at Low Volume Crossings		Defer														
Human Factors at Rail Operations Center		Defer														
Human Factors at Traffic Management Center		Defer														
Practices for HRI Roadway Surveillance	7	Defer					L				L					L
Standards for HRI Obstacle Detection		Defer														
Human Factors at the HRI	8	Defer														

Notes:

*. Indicates participants in NTCIP Group, when NTCIP has lead responsibility.

1. Ownership of this area is still being discussed by NTCIP Group and IEEE. In any case, this item represents multiple standards.
2. There is still some controversy about whether this topic is suitable for national standardization.
3. Of relevance to the HRI, but not really an ITS-related standard.
4. Part of MUTCD, therefore under the purview of FHWA and FRA. However, also part of AREMA recommended practices.
5. No current ownership. Organizations listed are candidates for undertaking this effort.
6. Needs to be accomplished through national legislation. Indicated organizations need to provide input to this process.
7. To be explored by the indicated organizations.
8. New standards area. No ownership yet.